

WHAT IS CLAIMED IS:

1. An image processing apparatus, comprising:
first input means for inputting a first image;
second input means for inputting photographing
5 condition information of the first image;
third input means for inputting a second image;
correcting means for correcting said first image;
and
synthesizing means for synthesizing said first
10 image and said second image, wherein
said correcting means corrects said first image
based on said photographing condition information of
the first image and said second image, and said
synthesizing means synthesizes the first image
15 corrected by said correcting means and said second
image.
2. An image processing apparatus according to
claim 1 wherein said synthesizing means synthesizes
20 said first image and said second image, and said
correcting means corrects the first image synthesized
by said synthesizing means based on said photographing
condition information of the first image and said
second image.
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3. An image processing apparatus according to
claim 1 or 2 wherein said first input means inputs said

first image by photographing the first image.

4. An image processing apparatus according to
claim 1 or 2 wherein said first input means inputs said
5 first image from an attachable/detachable recording
medium.

5. An image processing apparatus according to
claim 1 or 2 wherein said first input means inputs said
10 first image via communication means.

6. An image processing apparatus according to
claim 1 or 2 wherein said correcting means corrects
15 gradation and hue of said first image.

7. An image processing apparatus according to
claim 1 or 2 further comprising adjusting means for
adjusting position and size of said first image to
synthesize the adjusted first image.

8. An image processing apparatus according to
claim 1 or 2 further comprising display means for
displaying said first image and said second image,
wherein said synthesizing means uses said display means
25 to perform the synthesizing.

9. An image processing apparatus according to

claim 1 or 2 further comprising extracting means for extracting an object image from said first image, wherein said synthesizing means synthesizes the extracted object image and said second image.

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10. An image processing apparatus according to claim 1 or 2 wherein said photographing condition information of the first image includes one of an exposure amount and a shutter speed, and a focus amount, a photographing magnification, a lighting light type, and an eye direction.

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11. An image processing apparatus according to claim 1 or 2, further comprising second correcting means for manually correcting said first image.

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12. An image processing apparatus according to claim 1 or 2 wherein said synthesizing means uses auxiliary data concerning shape and position of said first image to synthesize said first image and said second image.

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13. An image processing apparatus according to claim 12 wherein said auxiliary data is either an outline with a predetermined size concerning said first image or mask data.

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14. An image processing apparatus according to claim 1 or 2 wherein said correcting means corrects gradation and hue of said second image.

5 15. An image processing apparatus, comprising:
input means for inputting an image and information concerning the image;
setting means for setting an image conversion mode;

10 extracting means for extracting an object image from said image based on said information concerning the inputted image; and
processing means for applying a conversion processing to said extracted object image in accordance
15 with said set image conversion mode.

16. An image processing apparatus according to claim 15 wherein said extracting means extracts the object image from said image based on said information concerning the inputted image and said image conversion mode.

17. An image processing apparatus according to claim 15 wherein said processing means applies the conversion processing to said extracted object image in accordance with said set conversion mode based on said information concerning the inputted image.

18. An image processing apparatus according to claim 15 wherein said processing means applies the processing to an area of said image other than the extracted object image.

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19. An image processing apparatus according to claim 15 wherein said processing means replaces said object image with another image based on said information concerning the inputted image and said image conversion mode.

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20. An image processing apparatus according to claim 15 wherein said processing means converts specific color components of said object image to other color components.

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21. An image processing apparatus according to claim 15 wherein said processing means applies a predetermined geometric modification to said object image.

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22. An image processing apparatus according to claim 15 wherein said processing means adds a predetermined transparent information to converted image data.

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23. An image processing apparatus according to

claim 15 wherein said extracting means detects a predetermined template model image and similarity of said image to extract said object image.

5 24. An image processing method, comprising:
a first input step of inputting a first image;
a second input step of inputting photographing
condition information of the first image;
a third input step of inputting a second image;
10 a correcting step of correcting said first image;
and
a synthesizing step of synthesizing said first
image and said second image, wherein
said correcting step comprises correcting said
15 first image based on said photographing condition
information of the first image and said second image,
and said synthesizing step comprises synthesizing the
first image corrected by said correcting step and said
second image.

20 25. An image processing method according to claim
24 wherein said synthesizing step comprises
synthesizing said first image and said second image,
and said correcting step comprises correcting the first
25 image synthesized by said synthesizing step based on
said photographing condition information of the first
image and said second image.

26. An image processing method according to claim 24 or 25 wherein said first input step comprises inputting said first image by photographing the first image.

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27. An image processing method according to claim 24 or 25 wherein said first input step comprises inputting said first image from an attachable/detachable recording medium.

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28. An image processing method according to claim 24 or 25 wherein said first input step comprises inputting said first image via a communication step.

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29. An image processing method according to claim 24 or 25 wherein said correcting step comprises correcting gradation and hue of said first image.

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30. An image processing method according to claim 24 or 25 further comprising an adjusting step of adjusting position and size of said first image to synthesize the adjusted first image.

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31. An image processing method according to claim 24 or 25 further comprising a display step of displaying said first image and said second image, wherein said synthesizing step uses said display step

to perform the synthesizing.

32. An image processing method according to claim
24 or 25 further comprising an extracting step of
5 extracting an object image from said first image,
wherein said synthesizing step comprises synthesizing
the extracted object image and said second image.

33. An image processing method according to claim
10 24 or 25 wherein said photographing condition
information of the first image includes one of an
exposure amount and a shutter speed, and a focus
amount, a photographing magnification, a lighting light
type, and an eye direction.

34. An image processing method according to claim
15 24 or 25, further comprising a second correcting step
of manually correcting said first image.

35. An image processing method according to claim
20 24 or 25 wherein said synthesizing step uses auxiliary
data concerning shape and position of said first image
to synthesize said first image and said second image.

36. An image processing method according to claim
25 35 wherein said auxiliary data is either an outline
with a predetermined size concerning said first image

or mask data.

37. An image processing method according to claim
24 or 25 wherein said correcting step comprises
5 correcting gradation and hue of said second image.

38. An image processing method, comprising:
an input step of inputting an image and
information concerning the image;
10 a setting step of setting an image conversion
mode;
an extracting step of extracting an object image
from said image based on said information concerning
the inputted image; and
15 a processing step of applying a conversion
processing to said extracted object image in accordance
with said set image conversion mode.

39. An image processing method according to claim
20 38 wherein said extracting step comprises extracting
the object image from said image based on said
information concerning the inputted image and said
image conversion mode.

40. An image processing method according to claim
25 38 wherein said processing step comprises applying the
conversion processing to said extracted object image in

accordance with said set conversion mode based on said information concerning the inputted image.

5 41. An image processing method according to claim 38 wherein said processing step comprises applying the processing to an area of said image other than the extracted object image.

10 42. An image processing method according to claim 38 wherein said processing step comprises replacing said object image with another image based on said information concerning the inputted image and said image conversion mode.

15 43. An image processing method according to claim 38 wherein said processing step comprises converting specific color components of said object image to other color components. A

20 44. An image processing method according to claim 38 wherein said processing step comprises applying a predetermined geometric modification to said object image.

25 45. An image processing method according to claim 38 wherein said processing step comprises adding a predetermined transparent information to converted

image data.

46. An image processing method according to claim
38 wherein said extracting step comprises detecting a
5 predetermined template model image and similarity of
said image to extract said object image.

47. A recording medium which stores a program for
an image processing apparatus said program, comprising
10 the steps of:

a first input step of inputting a first image;
a second input step of inputting photographing
condition information of the first image;
a third input step of inputting a second image;
15 correcting means for correcting said first image;
and

a synthesizing step of synthesizing said first
image and said second image, wherein
said correcting step corrects said first image
20 based on said photographing condition information of
the first image and said second image, and said
synthesizing step synthesizes the first image corrected
in said correcting step and said second image.

48. A recording medium which stores a program for
an image processing apparatus, said program comprising
25 the steps of:

an input steps of inputting an image and
information concerning the image;

a setting step of setting an image conversion
mode;

5 an extracting step of extracting an object image
from said image based on said information concerning
the inputted image, and

a processing step of applying a conversion
processing to said extracted object image in accordance
10 with said set image conversion mode.

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